

Title (en)
AQUEOUS DEVELOPABLE, RADIATION CURABLE COMPOSITION

Publication
EP 0287019 A3 19900711 (EN)

Application
EP 88105754 A 19880412

Priority
US 3903487 A 19870416

Abstract (en)
[origin: EP0287019A2] An aqueous developable, radiation curable composition comprising (1) a carboxylic acid containing reaction product of a styrene-maleic anhydride copolymer and a hydroxy (meth)acrylate of the formula: <CHEM> wherein R is alkyl, alkyl ester or alkyl ether containing 2-20 carbon atoms and R1 is H or CH3, the mole ratio of the hydroxy (meth)acrylate to the anhydride in the styrene-maleic anhydride copolymer being in the range 0.8 - 1.0; (2) an ethylenically unsaturated, reactive diluent of the formula: <CHEM> wherein R2 is H or CH3, R3 is an organic moiety and n is 1 or more; and, optionally, (3) a photoinitiator for (1) and (2). The exposure of the composition optionally also with a thiol to UV or high energy ionizing radiation results in aqueous, developable printing plates and photoresists.

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